Dell Colour Laser Printer 3110cn

Key Features

- Dell's fast new mid-range colour laser printer
- Ideal for departmental or workgroup use
- Optional duplex unit for 'print both sides' capability
- Crisp output quality in stunning colour at 600 x 600 dots-per-inch

Productivity

- High-performance – print speed up to 17 A4 pages per minute in colour, 30 ppm in monochrome
- High-capacity toner cartridges permit optimum cost-per-page
- Wide range of supported media including labels, envelopes, cardstock and transparencies
- Wide range of optional accessories to maximise printer productivity
- Easy to use graphical LCD front panel
- Robust 60,000 pages per month duty cycle
- *For faster output and lower cost-per-page, you may wish to consider the Dell Laser Printer 5110cn*

Connectivity

- Ethernet networking, Parallel port and USB 2.0 connectivity as standard
- Localised printer driver and documentation available in nine European languages (English, French, Italian, German, Spanish, Danish, Dutch, Norwegian and Swedish)

Environmental Benefits

- Each new Dell printer includes full instructions on how to dispose of your old printer quickly, safely and at no charge, using an approved recycling facility

Dell brings high quality, highly affordable printing to colour lasers. Designed for departmental or workgroup use, with networking as standard, the Dell Colour Laser 3110cn is a mid-range colour laser printer. The 3110cn prints crisp high-speed output in colour or monochrome for impressive, easy to read business documents. Running costs are very competitive in both monochrome and colour print modes, and this printer can be fitted with high-capacity toner cartridges for optimum economy. A robust design includes networking as standard, a 60,000 page monthly duty cycle, 400 page input capacity and print speed up to 17 A4 pages per minute in colour, 30 ppm in monochrome. The 3110cn is easily expandable with optional duplex to print on both sides, additional 550 sheet paper drawer (maximum 950 sheets A4) and upgradeable memory (up to 1152 MB).

From installation to management, the Dell 3110cn is easy to use. Manage Dell network printers remotely with the Dell Printer Configuration Web Tool™. New advanced Dell ColourTrack™ 2 software allows the network administrator to specify and control access to monochrome and/or colour printing output, allowing improved control over printing costs. Dell's Toner Management System™ actively alerts you when toner levels are running low and cartridges are due for replacement. The 3110cn comes standard with one year of Next-Business-Day On-site Service provided by Dell's award-winning service and support staff.

Dell makes it easy to get more out of printers

Easy to own

- Quick setup, easy installation and configuration with Web-based Dell Printer Configuration Web Tool™
- Supports standard Printer MIB specification for network compatibility with leading printer management software
- 12 months' Next Business Day (NBD) on-site service as standard with extended warranty service options available
- You can use the Dell Online Support site for the most up-to-date drivers, knowledge base articles and technical information about your printer

Maximise Productivity

- High-performance – print speed up to 17 A4 pages per minute in colour, 30 ppm in monochrome
- Dell Toner Management System™ automatically monitors level of toner and consumables
- LCD operator panel displays toner level and status of other consumables
- Dell ColorTrack™ 2 delivers advanced colour control management features including designation of colour/monochrome printing, setting print volume and usage tracking on an individual or workgroup basis

470 mm H

485 mm D

400 mm W

Features / Description

Features	Description
Product description	Networked workgroup colour laser

Printer specifications

Features	Description
Print speed[1]	Colour output up to 17 A4 pages per minute (ppm), monochrome up to 30 A4 pages per minute
First page out time	From 'Ready' state (Simplex A4, 600 dpi) monochrome, 16 seconds or less; colour, 17 seconds or less
Print resolution	600 x 600 dpi - up to 2400 Image Quality
User interface	2 line x 16 character backlit LCD text, 2 button / 5 way cursor keypad
Data streams	PCL® 6 emulation (includes PCL 5e), PostScript® 3 emulation, 32 bit and 64 bit
Processor	400 MHz
Memory (RAM)	128 MB standard, 1152 MB maximum
Memory expansion	Up to 1024 MB available for optional memory extension via one 200 pin DDR2 DIMM slot
Duty cycle	Maximum 60 000 pages per month
Typical Monthly Print Volume	1000 to 3000 pages per month

Paper handling

Features	Description
Standard input sources	150 sheet multipurpose tray, 250 sheet covered drawer
Additional input drawers	Up to one optional drawer can be fitted (550 sheet capacity)
Maximum input capacity	950 sheets (150 multipurpose tray standard + 250 sheet drawer standard + optional 550 sheet drawer)
Duplex facility (print both sides)	Optional
Standard output destination	250 sheet bin
Maximum output capacity	250 sheets

Media types supported

Features	Description
Multipurpose tray	Paper or coated paper, transparencies, labels, envelopes, cardstock, recycled paper. Sizes supported: A4, B5, A5, envelopes DL (LEF/SEF) and C5 (SEF), Custom size 76 mm to 220 mm long, 98 mm to 355 mm long, paper weight 60 to 215 gsm
Standard 250 sheet drawer and optional 550 sheet drawer	A4, B5, A5, custom size 148 mm to 216 mm wide, 210 mm to 355 mm long, paper weight 60 to 215 gsm
Optional duplexer	A4, B5, A5, custom size 148 mm to 216 mm wide, 210 mm to 355 mm long, paper weight 65 to 160 gsm
Page layout options	Portrait or landscape orientation, multiple copies, duplex printing (print both sides) (optional), multipage printing (N-up), booklet printing, watermarks, overlays
Printable area	Maximum printable area 208 mm x 347 mm
Edge of paper margins	Top, 4 mm; bottom, 4 mm; left, 4mm; right, 4 mm

Connectivity

Features	Description
Interfaces	Hi-Speed USB 2.0 port, Ethernet 10/100 BaseT port, IEEE 1284 Parallel Port (cables not included)
Print languages and fonts	HP PCL® 5e/6 emulation, 81 fonts; Adobe® PostScript® 3™ emulation, 136 fonts
Client Operating Systems (OS)	Microsoft Windows® Vista™, Vista x64, Microsoft ® Windows XP SP1-2, XP 64 bit, NT 4.0 SP6a, 2000 SP2-4, Server 2003 SP1, Server 2003 x64, Mac OS X, UNIX® (Solaris™ 10, HP-UX11i), Linux (Red Hat® 8/9, SuSE 9, TurboLinux 10)
Network Operating Systems (OS)	Microsoft Windows® Vista™, Vista x64, Microsoft® Windows NT 4.0 SP6a, 2000 SP2-4, Server 2003 SP1, Server 2003 x64, UNIX® (Solaris™ 10, HP-UX11i), Linux (Red Hat® 8/9, SuSE 9, TurboLinux 10), Netware Ver 3-6.5 Latest printer drivers available from http://support.euro.dell.com
Transport/Network protocols	TCP/IP & UDP/IP (LPD, Port9100, IPP[2], SMB[2], Netware v 5 and above[3], FTP, HTTP, HTTPS[2], RARP, AutoIP, WINS[2], SMTP, FTP, DDNS[2],SNMP, DHCP, BOOTP, mDNS[2]); NetBEUI (SMB[2]); Netware P-server[2]; Ethertalk[2]; AppleTalk[2]
Wireless options	Dell Wireless Printer Adapter 3310 USB[2] - IEEE 802.11b/g. Security Protocols: WPA - PSK (TKIP or AES), WEP (64 bit and 128 bit)

Consumables

Features	Description
Toner management	In conjunction with the printer and software, features include toner level reporting, low toner alerts, auto-generated alert e-mails, toner conservation, and the Dell Consumables Management System™
Shipped toner cartridge capacity[3]	The printer ships with a standard capacity black toner cartridge (approximately 5 000 pages) and one each of cyan, magenta and yellow standard colour toner cartridges (approximately 4000 pages each)
Standard capacity toner cartridge[3]	Standard capacity black toner cartridge is approximately 5000 pages and colour toner cartridges (cyan, magenta and yellow) are approximately 4000 pages each
High capacity toner cartridge[3]	High capacity toner cartridges - black, cyan, magenta and yellow - are approximately 8 000 pages each
Additional toner	Available through Dell online or by telephone
Additional consumables	None required
Toner reycling	Toner cartridges are recyclable using Dell's recycling programme, details of which are included with each product

Languages and regulatory

Features	Description
Printer firmware, LCD operator panel	English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish, Japanese
Printer software	English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish, Japanese
User documentation	*Basic set-up and safety instructions* English, French, Italian, German, Spanish, Czech, Danish, Dutch, Finnish, Norwegian, Polish, Portuguese, Swedish (varies by destination country) *Hardcopy user manual* in English, French, Italian, German, Spanish (varies by destination country) *Softcopy Quick Reference Guide on driver CD* in English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish
Safety certifications	IEC/EN60950-1:2001 (International); IEC60825-1 (Laser); CE Mark (EU); Nemko (Nordic); GS Mark (Germany); GOST and Hygienic (Russia); SASO (Saudi Arabia); SABS (South Africa); UL/cUL listed (UL60950-1 US/Canada); FDA/DHHS (21CFR, Chapter 1, Subchapter J, Class-1 Laser, US); NOM (Mexico)
EMC certifications	CE mark (EU countries) [EN55022:1994 Class B+A1:1995+A2:1997; EN61000-3-2:2000; EN 61000-3-3:1995+A1:2001; EN55024:1998+A1:2001+A2:2003]; FCC CFR Title 47, Part 15 Class B (USA); ICES-003, Issue 4 (Canada); GOST (Russia); SABS (South Africa); C-Tick (Australia); VCCI (Japan)
Other certifications and compliances	WHQL, Printer MIB, RoHS compliant[4], Energy Star®-compliant, SAP, Novell Yes Certification, Section 508, Citrix Metaframe XP Presentation Server, Citrix Metaframe Presentation Server 3.0, Citrix Metaframe XP 1.0 (Windows Server 2000/2003 running Terminal Services/Server)
Printer reycling	Details of Dell's printer recycling programme are included with each new printer (applies to Western Europe only)

Printer management

Features	Description
Compatible printer management software	Dell Open Manage™ Printer Manager[5]; Dell Printer Configuration Web Tool; Dell Colour Track™ 2 and Dell Toner Management System™, HP Openview, CA Unicenter, IBM Tivoli, Printer MIB

Service options

Features	Description
Standard Service	24 x 7 online Technical Support for the life of the product, 12 months access to Dell's telephone technical printer support queue, 12 months Next Business Day onsite service[7]
Service Options	Two, three, four and five-year extended service options available. Upgrades available to one, two, three, four and five-year Business Support. Optional installation service available.
Fuser maintenance	Dell Laser Printer next business day service includes fuser maintenance parts and part replacement for the duration of the service contract

Physical specifications

Features	Description
Dimensions	*Printer:* 400 mm W x 485 mm D x 470 mm H. *Printer 'fully configured' (including optional 550 sheet drawer):* 400 mm W x 507 mm D x 605 mm H. *Shipping carton:* 582 mm W x 755 mm D x 604 mm H
Weight	24 kg including standard toner cartridge; shipping weight 35 kg (slight variations depending upon versions of manuals shipped with printer)
Operating environment	*Operating:* air temperature 5°C to 32°C, Relative Humidity 15-85% non-condensing, altitude 3100 m or less. *Storage (unpackaged):* air temperature 0°C to 35°C, Relative Humidity 15-80%, altitude 3100 m or less
Acoustics	*Printing (Simplex mode):* Sound Pressure. Operator position (LpAm)[7] 56 dBA. Sound Pressure, Bystander position (LpAm)[7] 52 dBA. Average Sound Power (LWAm), declared[8] 6.4 Bels (64 dB) or less. *Standby Mode:* Average Sound Power (LWAm), declared[8] 4.0 Bels (40 dB) or less
Voltage	220-240 v, 47 to 63 Hz nominal. Power cord included with shipped printer
Power consumption	Continuous printing 420 W; Standby mode 95 W; Powersaver mode 28 W; Off 0 W. Energy Star®-compliant
Maximum current while printing	4.0 A at 230 v AC
Power Save options	User-definable - 5-60 minutes (default 5 min)